Serial No. Docket No. 129234-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Turnquist, Norman et al.	Group Art Unit:									
Serial No.:	Examiner:									
Filed:										
For USE OF SPRAY COATING TO ACHIEVE NON-UNIFORM SEAL CLEARANCES IN TURBOMACHINERY	· :									
INFORMATION DISCLOS	SURE STATEMENT									
Pursuant to 37CFR 1.97(b) [within 3 months of national, non-CPA filling or prior	r to 1st Office Action] <i>no charge</i>									
2 Certification Pursuant to 37 CFR 1.9										
☐ 3 Fee Payment Pursuant to 37 CFR 1.9										
ATTN: BOX PATENT APPLICATION Assistant Commissioner for Patents Washington, D.C. 20231	,									
Sir:										
The following are submitted in the above appli CFR 1.98:	cation in compliance with 37 CFR 1.97 and 37									
identified document and a transla non-English language document Searching Authority for a patent	1449 or Substitute together with copies of each tion thereof or a concise explanation of each or a Search Report from an International application filed via the Patent Cooperation application or the priority application.									
I hereby certify that this correspondence is being Service as first class mail in an envelope at Patents, Washington, D.C. 20231, on the date in	ddressed to: Assistant Commissioner for									
Date of Depo	osít									
Type or Print N	Name									

This paper i	is subi	mitted i	n accordance with:			
	X 6	37 C Actio	, , <u>-</u>	of national, non-CPA filing or prior to 1st Office		
	7		FR 1.97(c): [before Final Offing prosecution, whichever is e	ce Action, Allowance, or other action earlier]; and		
		8 🗌	The required Certification ma	ade in item 11 below; or		
		<u> </u>	· ·	n 37 CFR 1.17(p) for submission of Statement is authorized in item 15 below.		
	<u> </u>	37 C	FR 1.97(d): [on or before issu	ue fee payment]; and		
		a)	The required Certification is	stated in item 11 below; and		
		b)	•	n 37 CFR 1.17(p) for submission of Statement is authorized in item 14 below.		
	<u> </u>	Certi	fication			
		<u> </u>	any communication from	ntained in this Statement was first cited in a foreign patent office in a counterpart not more than three months prior to the		
		□ 13	No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.			
	X 14	Payn	nent of all applicable fees:			
			• • • • • • • • • • • • • • • • • • • •	e fees associated with the submittal of Statement to Deposit Account No.		
An original a	and tw	o (2) co	opies of this document are en	closed.		
				Respectfully submitted,		
111	Decem	ber 21		Attorney Paul J. DiConza		
General El o CRD Patent P.O. Box 8, I Schenectady Cust m r Ni	D cket Bldg. K y, New	Rm 4A! -1 York 12	2301	Registration No. 48,418 Phone: (518) 387-6131 or (518) 387-7122		

FORM PTO-144 (REV. 7-80)	FORM PTO-1449 US. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE				ATTY 1292	. DOCKET NO. 34	SERIAL NO.		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>LIST OF ITEMS</u>						Applicant Turnquist, et al			
					Filing	Date	Group		
		4	U.S. I	PATENT DOCUMENTS			1		
*EXAMINER INITIAL			DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate		
	AA	5,962,076	10/05/99	Mason, et al					
	AB	6,089,825	07/18/00	Walden, et al					
-	AC	6,334,617	01/01/02	Putnam, et al					
	AD	6,352,264	03/05/02	Dalzell, et al					
	AE	6,533,285	03/18/03	Nava, et al					
	AF	6,547,522	04/15/03	Turnquist, et al	†				
_		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
		" 1		ncluding Author, Title, Date		5	pahaviar of simple		
	Cl	UP Phadke, et al, "Aerodynamic aspects of the sealing of gas-turbine rotor-stator systems Part 1: The behavior of simple shrouded rotating-disk systems in a quiescent environment", June 1988, Int. J. Heat and Fluid Flow, Vol. 9, pp: 98-105							
	C2	UP Phadke, et al, "Aerodynamic aspects of the sealing of gas-turbine rotor-stator systems Part 2: The performance of simple seals in a quasi-axisymmetric external flow", June 1988, Int. J. Heat and Fluid Flow, Vol 9, pp: 106-112							
	C3	UP Phadke, et al, "Aerodynamic aspects of the sealing of gas-turbine rotor-stator systems Part 3: The effect of nonaxisymmetric external flow on seal performance", June 1988, Int. J. Heat and Fluid Flow, Vol 9, pp: 113 - 117							
	C4	TN Rhys-Jones, 1990, "Thermally Sprayed coating systems for surface protection and clearance control applications in aero engines", Surface and Coatings Technology, 43/44, pp: 402-415							
EXAMINER					DAT	DATE CONSIDERED			
				ot citation is in conformance wi rm with next communication to		9; Draw line throu	ugh citation if not in		